Fig. 1

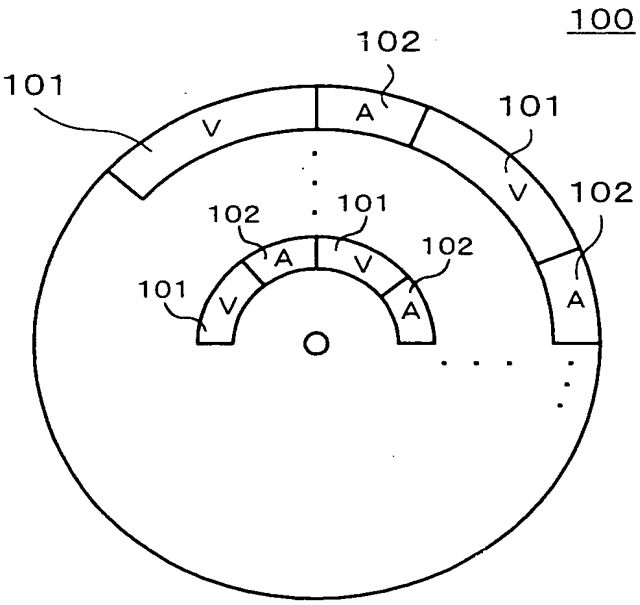
100
101
102
V
A
101
102
V
102
101
102
A
V
101
V
A
A
O

Fig. 2

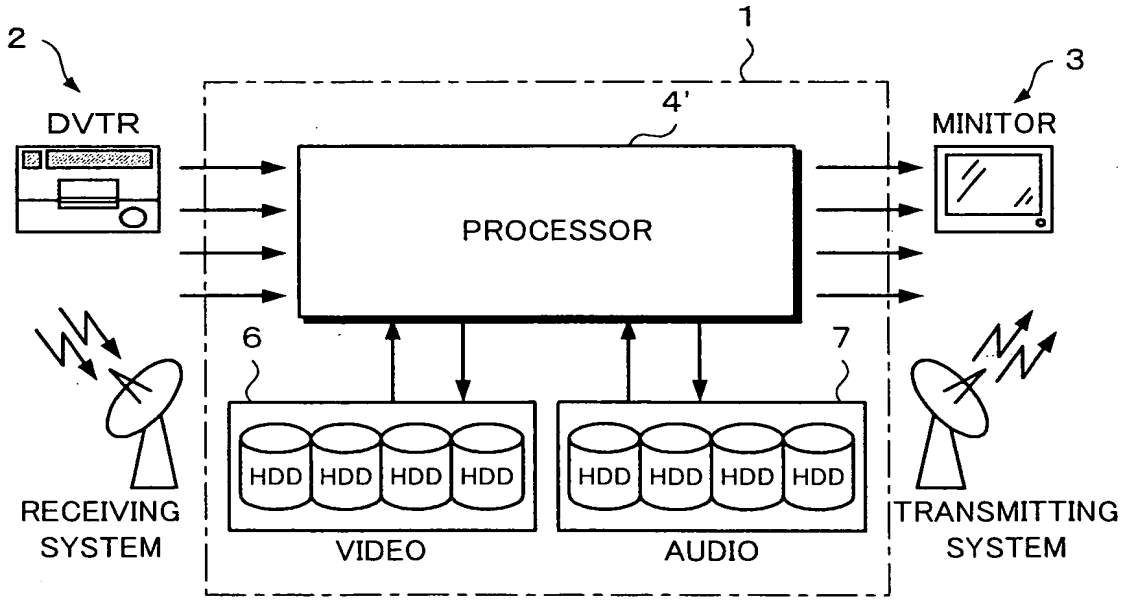
1
2
3
DVTR
4'
MINITOR
PROCESSOR
6
7
HDD
HDD
HDD
HDD
HDD
HDD
HDD
HDD
RECEIVING SYSTEM
VIDEO
AUDIO
TRANSMITTING SYSTEM

Fig. 3

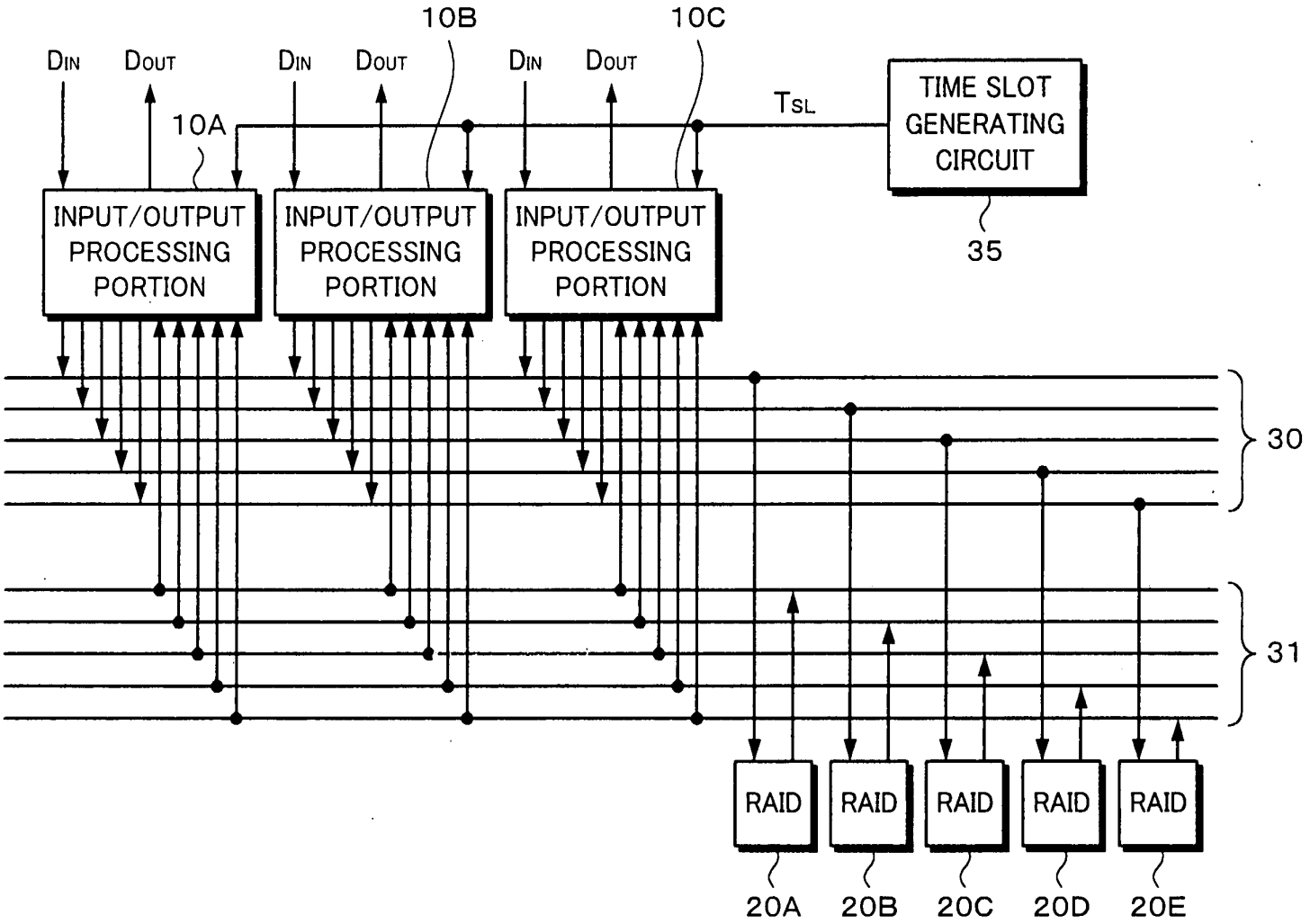

Fig. 4A

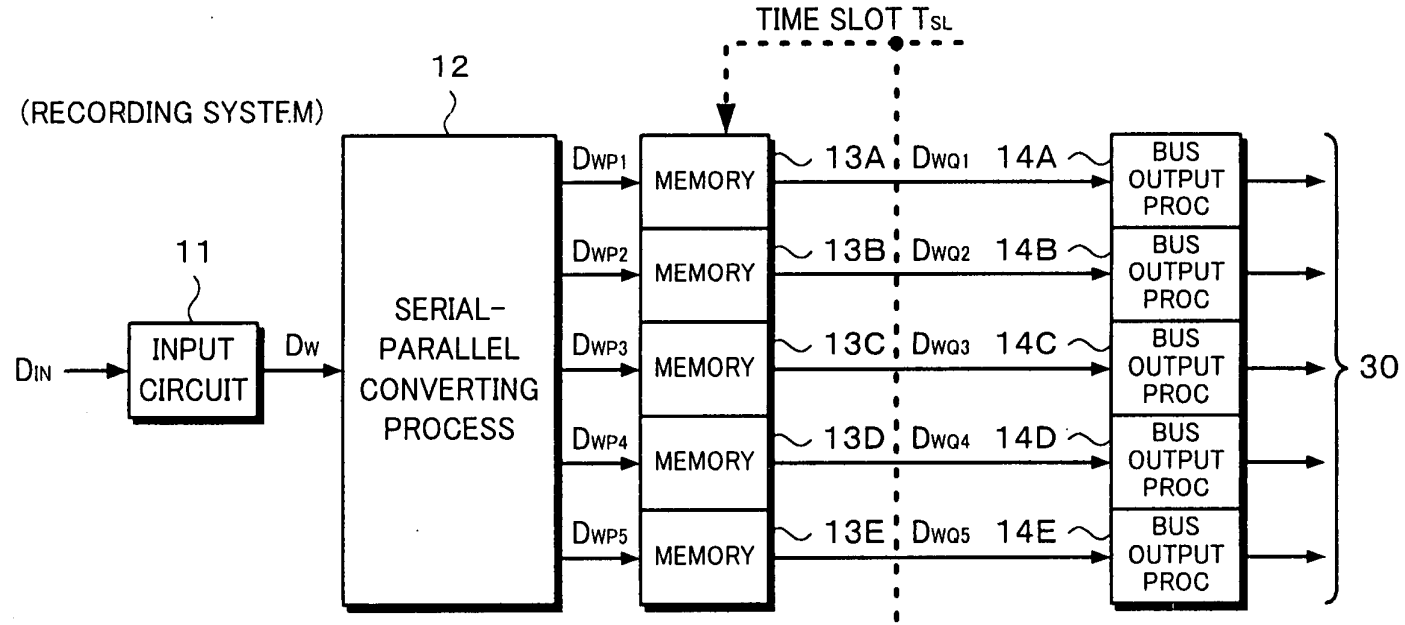

Fig. 4B

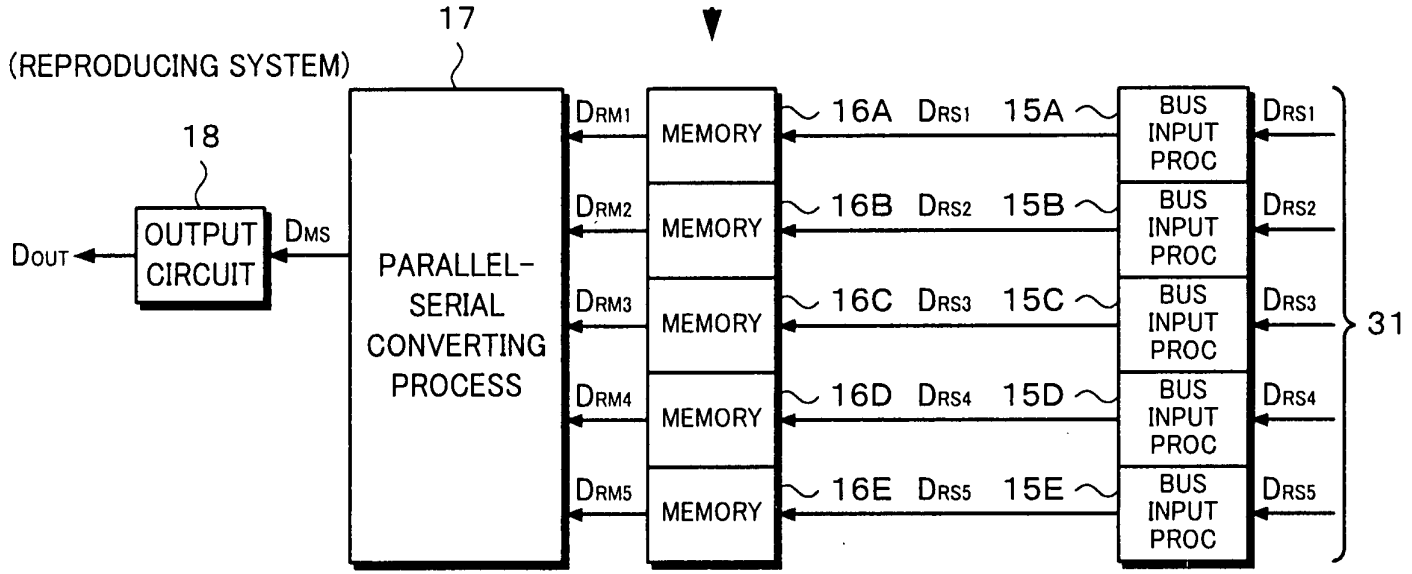

Fig. 5

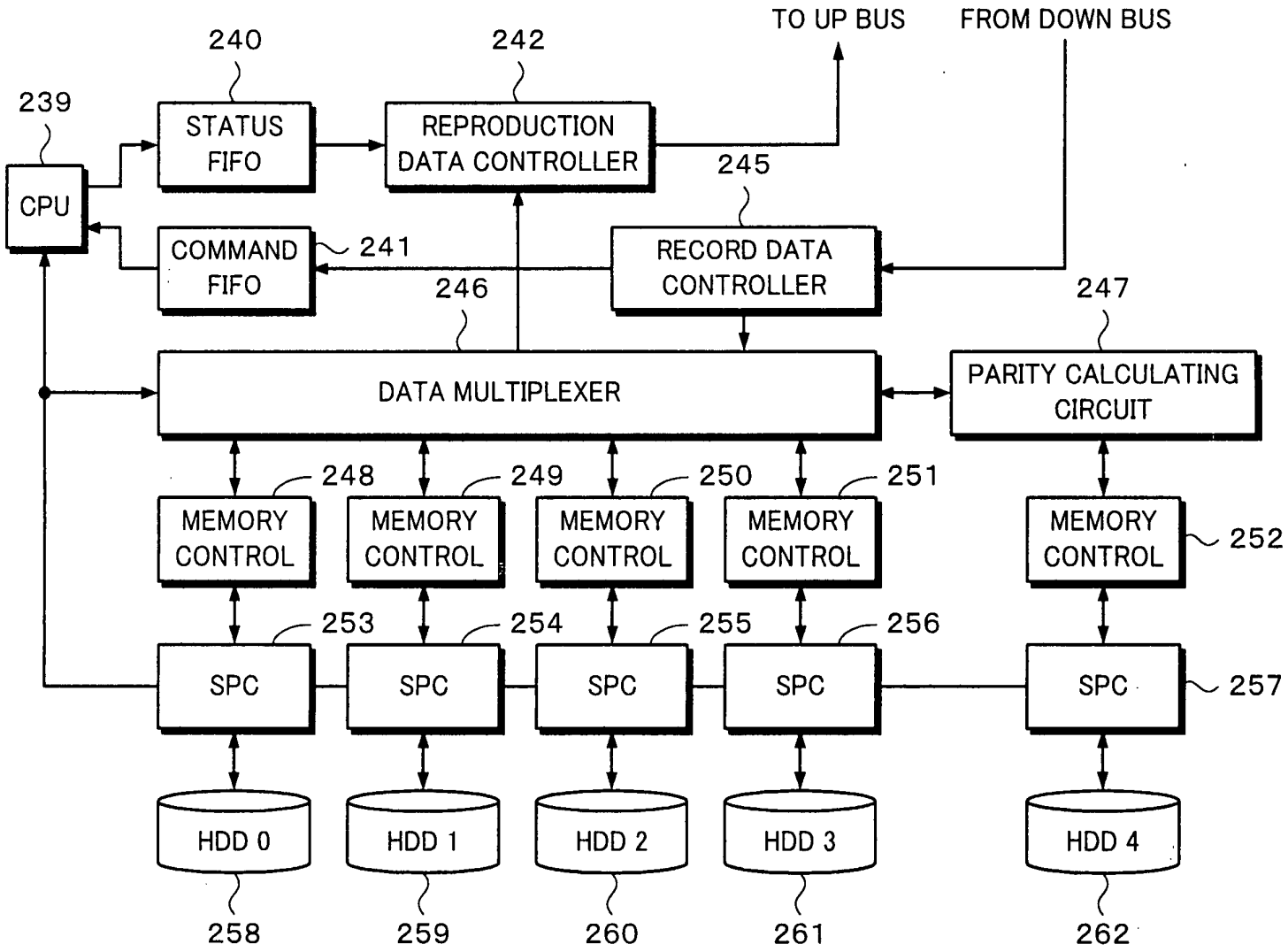

Fig. 6

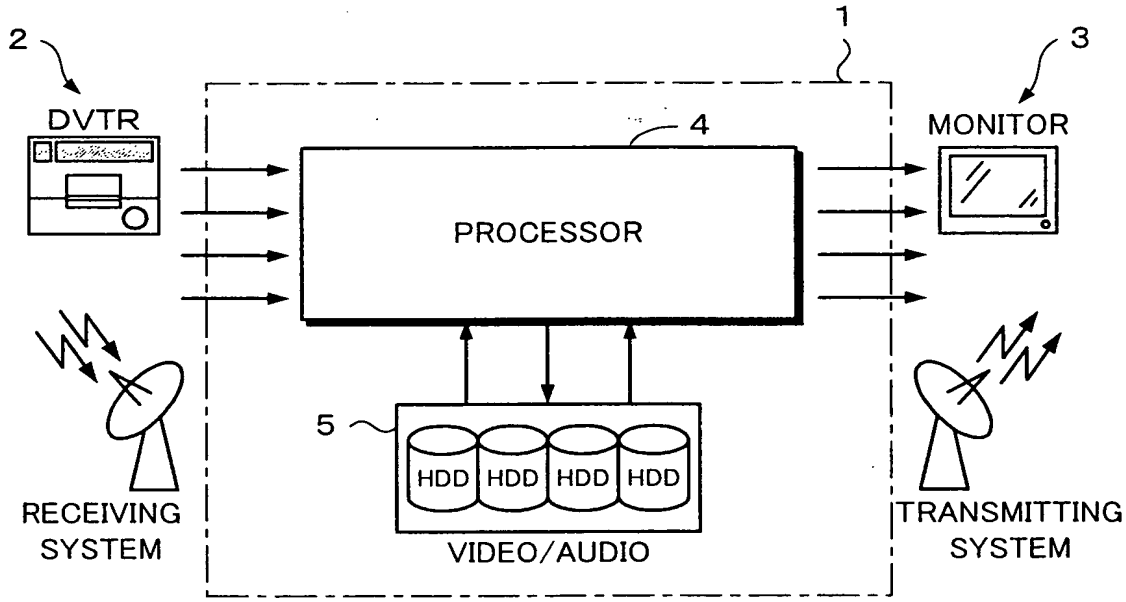
1
2
3
DVTR
MONITOR
4
PROCESSOR
5
HDD
HDD
HDD
HDD
VIDEO/AUDIO
RECEIVING SYSTEM
TRANSMITTING SYSTEM

Fig. 7

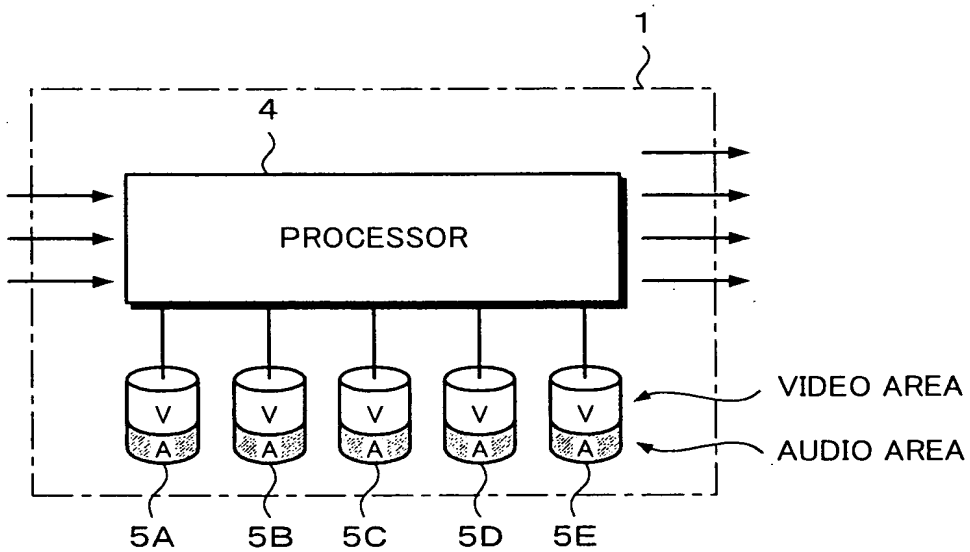
1
4
PROCESSOR
V
A
VIDEO AREA
AUDIO AREA
5A
5B
5C
5D
5E

Fig. 8

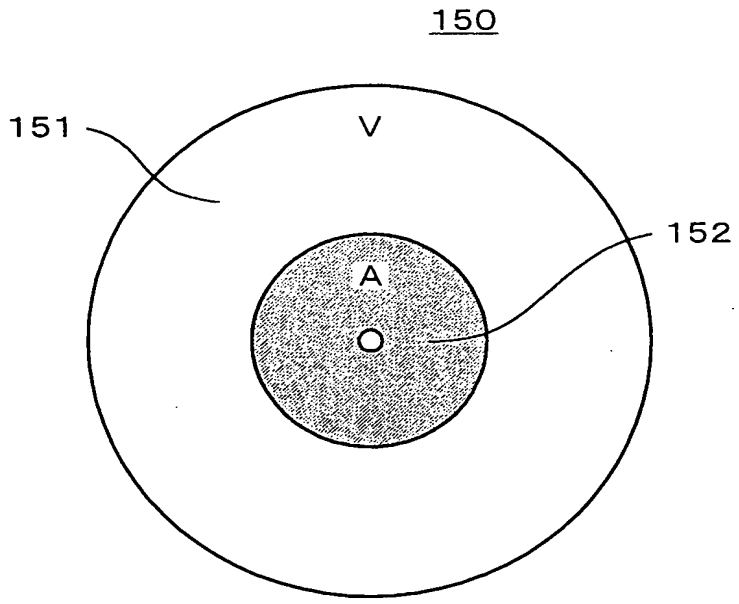

Fig. 9

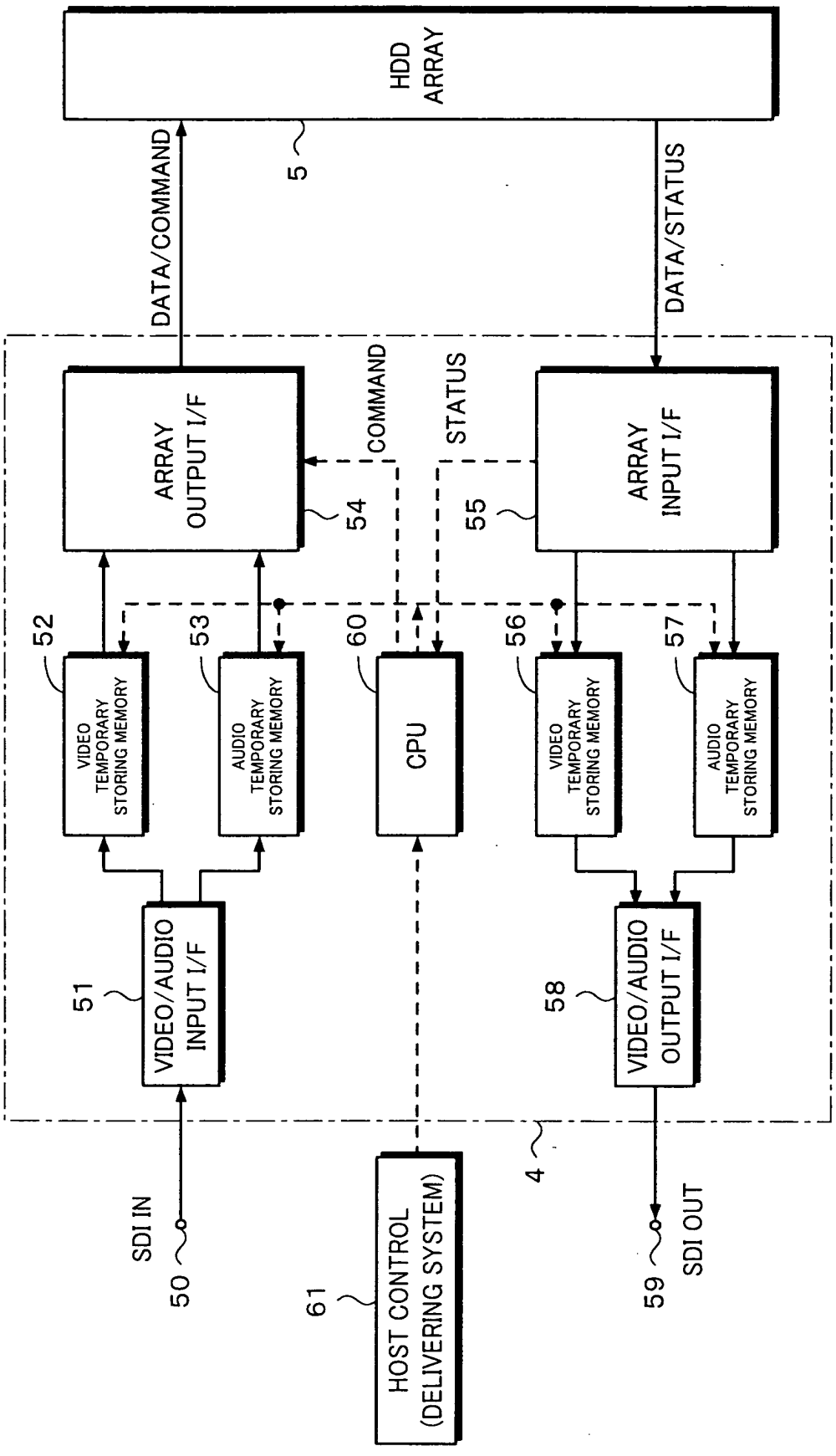
HDD ARRAY
5
DATA/COMMAND
DATA/STATUS
1
ARRAY OUTPUT I/F
54
COMMAND
STATUS
ARRAY INPUT I/F
55
52
53
60
56
57
VIDEO TEMPORARY STORING MEMORY
AUDIO TEMPORARY STORING MEMORY
CPU
VIDEO TEMPORARY STORING MEMORY
AUDIO TEMPORARY STORING MEMORY
51
VIDEO/AUDIO INPUT I/F
58
VIDEO/AUDIO OUTPUT I/F
4
SDI IN
50
HOST CONTROL (DELIVERING SYSTEM)
61
59
SDI OUT

Fig. 10A

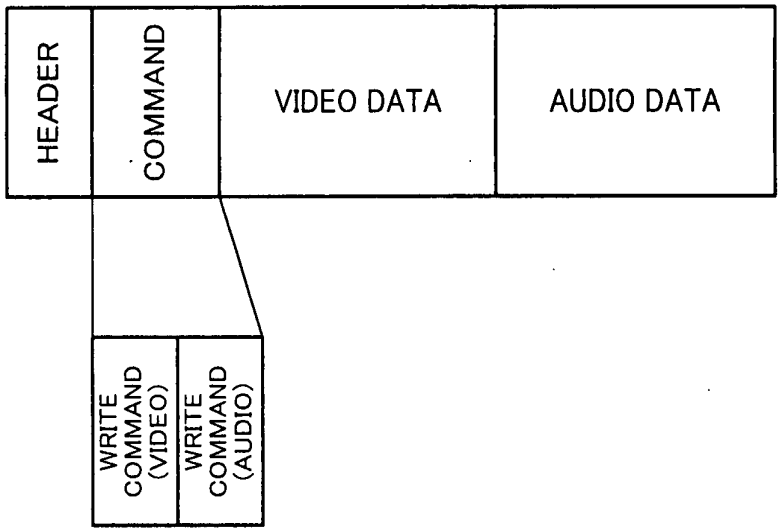

Fig. 10B

Fig. 10C

WRITE COMMAND (AUDIO) : FROM #0000001 TO #0001000
WRITE COMMAND (VIDEO) : FROM #1000001 TO #1001000

Fig. 11

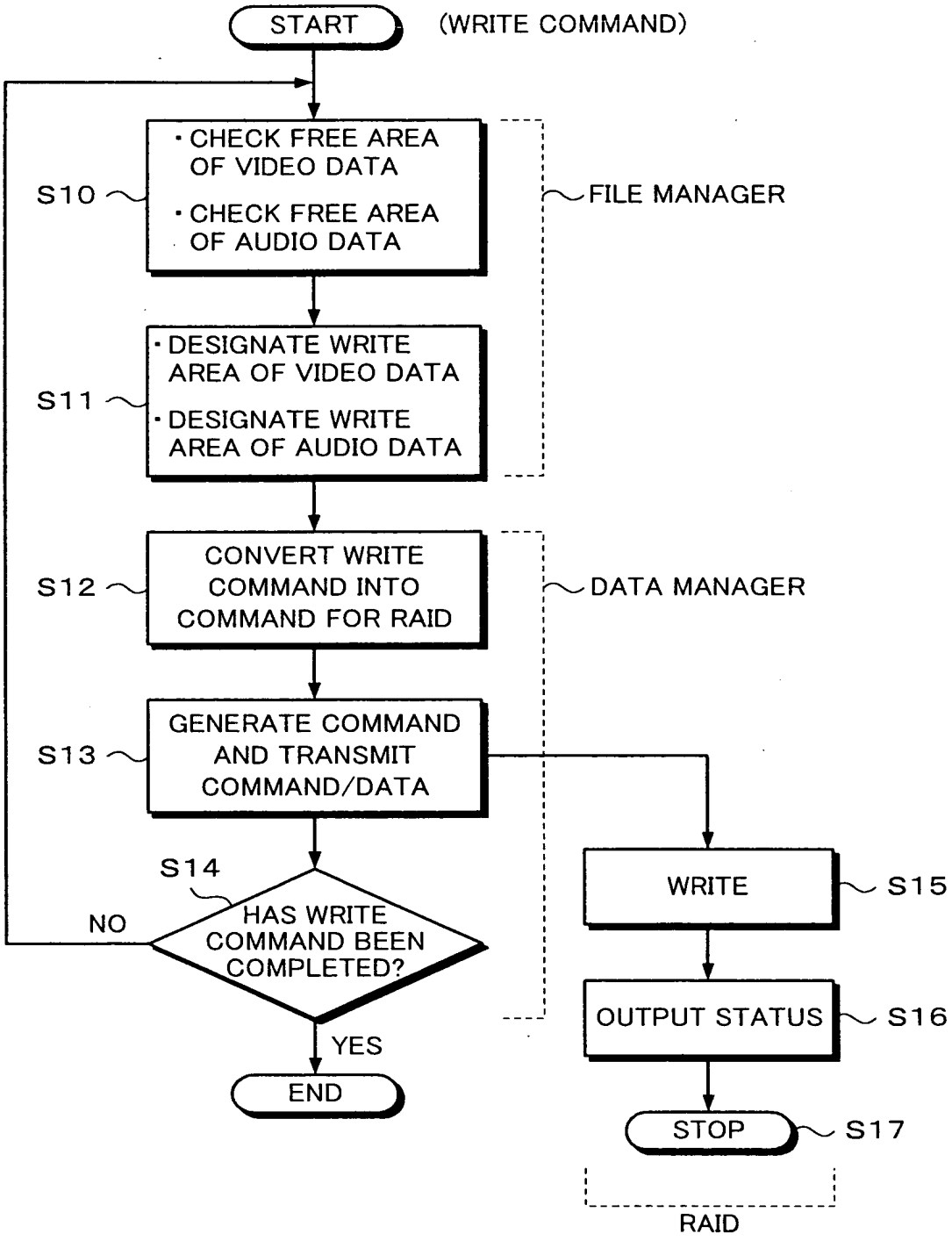
START
(WRITE COMMAND)
S10
• CHECK FREE AREA OF VIDEO DATA
• CHECK FREE AREA OF AUDIO DATA
FILE MANAGER
S11
• DESIGNATE WRITE AREA OF VIDEO DATA
• DESIGNATE WRITE AREA OF AUDIO DATA
S12
CONVERT WRITE COMMAND INTO COMMAND FOR RAID
DATA MANAGER
S13
GENERATE COMMAND AND TRANSMIT COMMAND/DATA
S14
HAS WRITE COMMAND BEEN COMPLETED?
NO
YES
END
WRITE
S15
OUTPUT STATUS
S16
STOP
S17
RAID

Fig. 12A

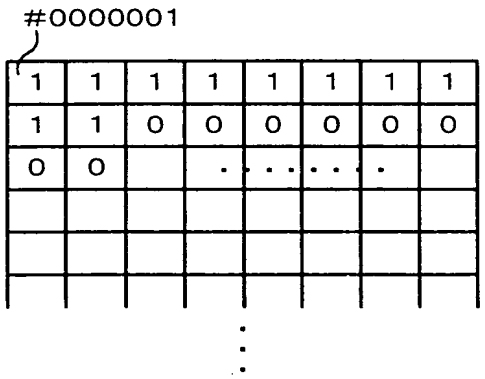

Fig. 12B

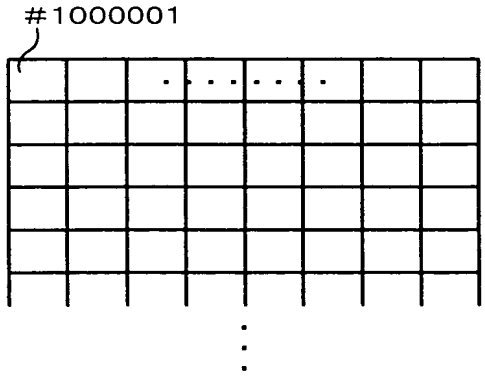

Fig. 13

AUDIO DATA / VIDEO DATA	16bit 4ch RAID-0	16bit 4ch RAID-1	20bit 4ch RAID-0	20bit 4ch RAID-1
20Mbps	75 : 25	62.5 : 37.5	72 : 28	57 : 43
30Mbps	83 : 17	71 : 29	80 : 20	67 : 33
40Mbps	86 : 14	76 : 24	84 : 16	72 : 28
50Mbps	89 : 11	80 : 20	86 : 14	76 : 24

Fig. 14A

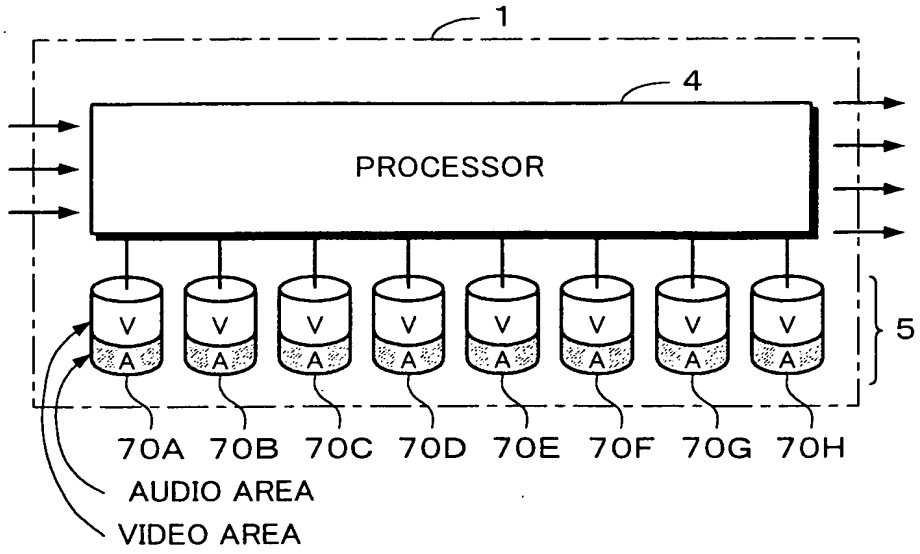

Fig. 14B

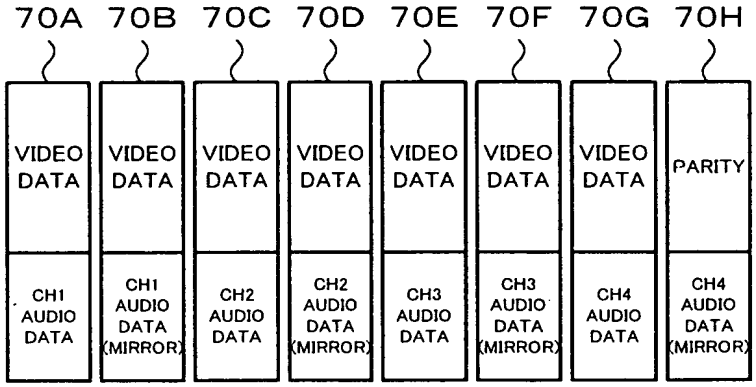

Fig. 14C

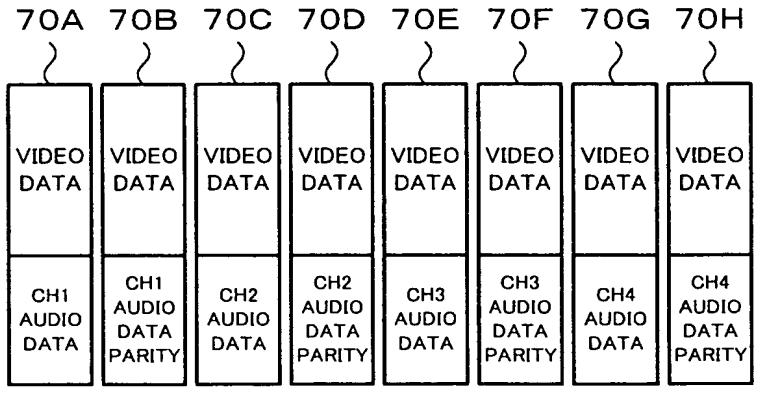

Fig. 14D